

MAJOR IN BIOCHEMISTRY

- Students should have completed Math 1000 & 1001, Chemistry 1050 & 1051, English 1090 & one other first year English course, and either two first year Physics courses or Biology 1001 & 1002 before applying for admission to the department.
- If Biology is not taken in first year, it should be taken in second year. If Physics is not taken in first year, it must be taken in second year. At least one of these subjects must be taken in first year for entry into the major in second year.
- Students who take Math 1090/1000 in first year must take Math 1001 in second year.
- If Chemistry 1010 is taken in the Fall semester then Chemistry 1050 should be taken in Winter. Chemistry 1051 can be taken in the Spring semester or Intersession, depending on when it is offered. It is strongly recommended that you complete 1051 before beginning your second year of studies.
- Along with Math and Physics prerequisites, students must have a mark of at least 60% in Chemistry 1031 or 1051, to register for Chemistry 2301.

**Second year
required courses**

Chemistry 2400	Chemistry 2401
Chemistry 2301	Biochemistry 2101
electives	Biochemistry 2100
	Chemistry 2100 [§]
<i>§Chemistry 2100 is required in the program but can be taken in a later winter semester. Env Sci 3210 may be used in lieu of Chemistry 2100.</i>	

**Third year
suggested program**

Biochemistry 3106	Biochemistry 3105
Biochemistry 3107	Biochemistry 3108
Medicine 310A (or †)	Medicine 310B (or †)
Specified Biochemistry Electives [#]	
<i>†Choose from Biology 2060, 3050, 3401, 3402, 3530, 4200[§], 4245, 4404, Biochemistry 4240-4249, Chemistry 4201, 4701 # See the list of Biochemistry electives under the fourth year suggested program.</i>	

**Fourth year
suggested program**

1 or 2 of Specified Biochemistry Electives [‡]	1 or 2 of Specified Biochemistry Electives [‡]
<i>‡Choose four of Biochemistry 2600(W), 3203(W), 4002(F), 4101(F), 4103(W), 4104(F), 4105[§] (W), 4200(W), 4201(W), 4230-4239. § credit can be received for only one of Bioc4105 and Biol4200</i>	

PLEASE NOTE: *Electives must be completed to give a total of at least 26 science courses and a total of 40 courses overall in order to receive a degree. Students are encouraged to choose a minor.*

The fine print: *The University Calendar defines the requirements for the Bachelor of Science Degree and is the ultimate authority in degree program. It is your responsibility to ensure you are following the requirements specified in the Calendar. The program outlined above is from the 2017-2018 Calendar and may help you do that.*